

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine comprising:

a permanent magnet type dynamo-electric machine, said permanent type magnet type dynamo-electric machine having a stator having a stator iron core around which a stator coil is wound, and a rotor arranged in said stator at a rotational gap, having a plurality of permanent magnets arranged and fixed within a rotor iron core in a peripheral direction, ~~and having to provide~~ auxiliary protruding poles;

said dynamo-electric machine and an engine being connected to a drive shaft in series; and

~~no~~ without switching gear between forward and backward movements being provided,

wherein a shape of said rotor in a circumferential direction at each pole is nonsymmetrical and wherein a width in a rotational direction of a permanent magnet inserting hole provided within said rotor iron core is larger than a width of each one of said plurality of permanent magnets and wherein a space resulting from a difference in width between said inserting hole and said permanent magnet is a space in said inserting hole which is positioned forward of said permanent magnet in a direction of rotation of said rotor which causes forward movement of said of electric vehicle and wherein as a result of this space, a ratio between forward rotation torque and reverse rotation torque is in a range from 1: 1.05-1.2 with the torque of the reverse rotation being greater than the torque of the normal forward movement rotation.

~~wherein a ratio between a maximum torque output by said dynamo-electric machine when the electric vehicle moves forward and a torque~~

~~output by the dynamo-electric machine when reverse moving establishes a relation 1:1.05-1.2, whereby the torque at the reverse rotation becomes greater.~~

2. (CANCELED).
3. (CANCELED).
4. (CANCELED).

5. (ORIGINAL) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 1, wherein a permanent magnet inserting hole provided within said rotor iron core is provided at a predetermined inclined angle (θ) with respect to a circumferential direction so that a distance from the rotational gap is greater in the normal rotation side of the dynamo-electric machine, and said permanent magnet is inserted to said inserting hole.

6. (CANCELED).

7. (ORIGINAL) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 5, wherein said inclined angle (θ) is 10 to 45 degrees (mechanical angle).

8. (CANCELED).

9. (ORIGINAL) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 1, wherein a cross sectional shape in the rotational direction of said permanent magnet inserting hole and said permanent magnet is a rectangular shape.

10. (CANCELED).
11. (CANCELED).

12. (CANCELED).

13. (ORIGINAL) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 1, wherein a cross sectional shape in the rotational direction of said permanent magnet inserting hole and said permanent magnet is an arc shape.

14. (CANCELED).

15. (CANCELED).

16. (CANCELED).

17. (CURRENTLY AMENDED) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in ~~any one of~~ claims 1-16 claim 1, wherein a ratio between a width in a rotational direction of the permanent magnet inserting hole provided within said rotor iron core and a width in the rotational direction of said permanent magnet is 1:0.5-0.9.